

YF2A14-150VB3XLEAX

Sensor/actuator cable

PLUG CONNECTORS AND CABLES





Ordering information

Туре	Part no.
YF2A14-150VB3XLEAX	2096237

Other models and accessories -> www.sick.com/Sensor_actuator_cable



Detailed technical data

Technical specifications

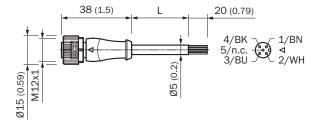
Accessory group Plug connectors and cables Connection type head A Cennection type leads Connection type head B Flying leads Locking plug connector Screw connection Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 15 m, 4-wire, PVC Jacket material PVC Jacket color 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position > 10 x cable diameter Stationary position > 5 x cable diameter Nominal voltage, cable 3000 V AC Test voltage, cable 250 V AC 250 V DC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A Signal type Sensor/actuator cable		
Connection type head A Connection type head B Cocking plug connector Connector material Connector material Connector color Cocking nut material Cocking nut material Seal material FKM Tightening torque Width across flats Cable Jacket material FVC Conductor coros section Conductor cross section Shielding Bending radius Flexible use Stationary position Nominal voltage, cable Reference voltage Cated impulse voltage Current loading FEX Connection M12, 4-pin, straight, A-coded Flying leads Screw connection Flexible use Stationary position Flexible use Conductor cross section Coverable diameter Stationary position Reference voltage Coverable diameter Screw connection Flexible use Screw connection Flexible use Stationary position Flexible use Stationary position A Coverable diameter Screw Coverable Coverable diameter Screw Coverable Coverable diameter Screw Coverable Coverable diameter Screw Coverable	Accessory group	Plug connectors and cables
Connection type head B Locking plug connector Connector material TPU Connector color Black Locking nut material Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 15 m, 4-wire, PVC Jacket material PVC Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Nominal voltage, cable Test voltage, cable 250 V AC 250 V DC Rated impulse voltage Current loading Flexible voltage Current loading Flexible voltage Current loading Flexible voltage A A	Accessory family	Connecting cables
Locking plug connector Screw connection Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 15 m, 4-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position > 5 x cable diameter Stationary position > 5 x cable diameter Nominal voltage, cable 2,000 V AC Test voltage, cable 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A	Connection type head A	Female connector, M12, 4-pin, straight, A-coded
Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 15 m, 4-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position > 10 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 250 V AC 250 V DC Rated Impulse voltage 2,5 kV Current loading 4 A	Connection type head B	Flying leads
Connector color Locking nut material Seal material FKM Tightening torque Width across flats Cable 15 m, 4-wire, PVC Jacket material PVC Jacket color Gray Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Nominal voltage, cable Test voltage, cable Reference voltage Each of the width of the color of the	Locking plug connector	Screw connection
Locking nut material Seal material FKM Tightening torque 0.6 Nm Width across flats 13 Cable 15 m, 4-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 5 mm Conductor cross section Shielding Bending radius Flexible use Stationary position Nominal voltage, cable Test voltage, cable Reference voltage Current loading Zinc die-cast, nickel-plated FKM And And FMM And And And And And And And A	Connector material	TPU
Seal material Tightening torque Width across flats Cable 15 m, 4-wire, PVC Jacket material Jacket color Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Nominal voltage, cable Reference voltage Reference voltage Current loading FKM O.6 Nm O.6 Nm 13 13 15 m, 4-wire, PVC Gray Cable Urshielded PVC Gray Cary Cable diameter Unshielded Unshielded Stationary position Now AC 250 V AC 250 V DC Rated impulse voltage Current loading 4 A	Connector color	Black
Tightening torque 0.6 Nm Width across flats 13 Cable 15 m, 4-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 250 V AC 250 V DC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A	Locking nut material	Zinc die-cast, nickel-plated
Width across flats 13 Cable 15 m, 4-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 250 V AC 250 V DC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A	Seal material	FKM
Cable 15 m, 4-wire, PVC Jacket material PVC Gray Cable diameter 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position > 5 x cable diameter > 5 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A	Tightening torque	0.6 Nm
Jacket material Jacket color Cable diameter Conductor cross section Shielding Bending radius Flexible use Stationary position Nominal voltage, cable Reference voltage 250 V AC 250 V DC Rated impulse voltage Current loading PVC Gray Gray S mm O.34 mm² Unshielded Unshielded > 10 x cable diameter > 5 x cable diameter > 5 x cable diameter 250 V AC 250 V DC Rated impulse voltage 4 A	Width across flats	13
Jacket color Cable diameter 5 mm Conductor cross section O.34 mm² Unshielded Bending radius Flexible use Stationary position Nominal voltage, cable Test voltage, cable Reference voltage 250 V AC 250 V DC Rated impulse voltage Current loading Gray 5 mm 0.34 mm² Unshielded Vnshielded Vns	Cable	15 m, 4-wire, PVC
Cable diameter 5 mm Conductor cross section 0.34 mm² Shielding Unshielded Bending radius Flexible use Stationary position > 5 x cable diameter > 5 x cable diameter Nominal voltage, cable 300 V AC Test voltage, cable 2,000 V AC Reference voltage 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A	Jacket material	PVC
Conductor cross section Shielding Bending radius Flexible use Stationary position Nominal voltage, cable Test voltage, cable Reference voltage 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading O.34 mm² Unshielded Vnshielded > 10 x cable diameter > 5 x cable diameter > 5 x cable diameter > 25 x cable diameter > 5 x cable diameter > 6 x cable diameter > 6 x cable diameter > 7 x cable diameter > 8 x cable diameter > 6 x cable diameter > 7 x cable diameter > 8 x cable diameter > 9 x cable diameter > 8 x cable diameter > 9 x cable	Jacket color	Gray
Shielding Bending radius Flexible use Stationary position Nominal voltage, cable Test voltage, cable Reference voltage 250 V AC 250 V DC Rated impulse voltage Current loading Unshielded > 10 x cable diameter > 5 x cable diameter 300 V AC 2,000 V AC 2,000 V AC 250 V DC 4 A	Cable diameter	5 mm
Bending radius Flexible use Stationary position Nominal voltage, cable Test voltage, cable Reference voltage 250 V AC 250 V DC Rated impulse voltage Current loading Flexible use > 10 x cable diameter > 5 x cable diameter 200 V AC 2,000 V AC 250 V DC 4 A	Conductor cross section	0.34 mm ²
Flexible use Stationary position > 10 x cable diameter > 5 x cable diameter > 5 x cable diameter Nominal voltage, cable	Shielding	Unshielded
Stationary position > 5 x cable diameter 300 V AC Test voltage, cable Reference voltage 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading > 5 x cable diameter 300 V AC 2,000 V AC 4 A	Bending radius	
Nominal voltage, cable Test voltage, cable 2,000 V AC Reference voltage 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A	Flexible use	> 10 x cable diameter
Test voltage, cable Reference voltage 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A	Stationary position	> 5 x cable diameter
Reference voltage 250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A	Nominal voltage, cable	300 V AC
250 V AC 250 V DC Rated impulse voltage 2.5 kV Current loading 4 A	Test voltage, cable	2,000 V AC
250 V DC Rated impulse voltage 2.5 kV Current loading 4 A	Reference voltage	
Rated impulse voltage 2.5 kV Current loading 4 A		250 V AC
Current loading 4 A		250 V DC
	Rated impulse voltage	2.5 kV
Signal type Sensor/actuator cable	Current loading	4 A
	Signal type	Sensor/actuator cable

Application	Zones with chemicals
Authorizations	CE UL
UL File No.	E335179
Enclosure rating	IP65 / IP66K / IP67
Ambient operating temperature	
Flexible use	-5 °C +80 °C
Stationary position	-30 °C +80 °C
Head	-25 °C +85 °C
Contamination rating	3
Insulation resistance	100 ΜΩ
Overvoltage category	III
Specific insulation resistance	30 mΩ
Thermal resistance, piping	Flame retardant according to UL 1581 VW1 / CSA FT1

Classifications

ECLASS 5.0	19030312
ECLASS 5.1.4	19030312
ECLASS 6.0	27060304
ECLASS 6.2	27060304
ECLASS 7.0	27060304
ECLASS 8.0	27060304
ECLASS 8.1	27060304
ECLASS 9.0	27060304
ECLASS 10.0	27060304
ECLASS 11.0	27060304
ECLASS 12.0	27060304
ETIM 5.0	EC000830
ETIM 6.0	EC000830
ETIM 7.0	EC003249
ETIM 8.0	EC003249
UNSPSC 16.0901	26121604

Dimensional drawing (Dimensions in mm (inch))



Recommended accessories

Other models and accessories → www.sick.com/Sensor_actuator_cable

	Brief description	Туре	Part no.			
Other mounting	Other mounting accessories					
	1 piece, M12 mounting key set for SW13 with calibrated torque 0.6 Nm	TOOL-TW06M12AF13	5337208			
Plug connectors and cables						
	 Connection type head A: Female connector, M12, 5-pin, straight Description: Unshielded, Head A: female connector, M12, 5-pin, straight, unshielded, for cable diameter 4 mm 6 mm Head B: - Connection systems: Screw-type terminals Permitted cross-section: ≤ 0.75 mm² 	DOS-1205-G	6009719			
	 Connection type head A: Male connector, M12, 5-pin, straight Description: Unshielded, Head A: male connector, M12, 5-pin, straight, unshielded, for cable diameter 4 mm 6 mm Head B: - Connection systems: Screw-type terminals Permitted cross-section: ≤ 0.75 mm² Note: For field bus technology 	STE-1205-G	6022083			

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We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

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For us, that is "Sensor Intelligence."

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